

SECONDARY WIRING OF TRANSFORMER FOR HIGH VOLTAGE

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Abstract

PURPOSE: To provide a secondary winding of a transformer for ultrahigh voltage which hardly cause dielectric breakdown by making the voltage distribution (potential inclination) inside the winding uniform.
CONSTITUTION: First and second metallic cylinders 11 and 12 are provided, respectively, inside and outside of a solenoid coil 10 in multilayer winding, which has an inside diameter enough larger than the outside diameter of the iron core of a transformer. The first and second cylinders are connected to the starting point of winding and terminating point of winding of a solenoid coil, respectively, and besides the length in axial direction is made larger than the length in axial direction of the solenoid coil, and besides a slit is made in axial direction.

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